

Application No.: 10/565,565
Filing Date: January 23, 2006

Exhibit 2

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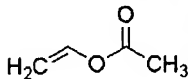
46060 Vinyl acetate purum, ≥99.0% (GC)

<http://www.sigmaaldrich.com/catalog/search/ProductDetail/FLUKA/460...>

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46060 Vinyl acetate

Fluka purum, ≥99.0% (GC)



Synonym	Acetoxyethylene
Molecular Formula	CH ₃ CO ₂ CH=CH ₂
Molecular Weight	86.09
CAS Number	108-05-4
Beilstein Registry Number	1209327
MDL number	MFCD00008713
PubChem Substance ID	24869714
EQ/EC Number	203-545-4

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Price and Availability

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Properties

vapor density	3 (vs air)
vapor pressure	88 mmHg (20 °C)
grade	purum
assay	≥99.0% (GC)
autoignition temp.	601 °F
contains	~0.0015% hydroquinone as stabilizer
expl. lim.	13.4 %
refractive index	<i>n</i> _D ²⁰ 1.395(lit.) <i>n</i> _D ²⁰ 1.395
bp	72-73 °C(lit.)
mp	-93 °C(lit.)
density	0.932 g/mL at 20 °C 0.934 g/mL at 25 °C(lit.)

References

Merck	Merck 13,10053
Beilstein	Beil. 2JV,176
Fieser	Fieser 1,1271 / Fieser 12,565
reference	Aldrich MSDS 1, 1833:C / Corp MSDS 1 (2), 3599:A / FT-IR 2 (1), 1010:C / FT-IR 1 (1), 632:D / FT-NMR 1 (1), 963:A / IR-Spectra (3), 376:D / IR-Spectra (2), 333:D / NMR-Reference 2 (1), 533:C / RegBook 1 (1), 715:A / Sax 6, 85 / Structure Index 1, 108:C:8 / Vapor Phase 3, 663:B

Safety

Hazard Codes	F
Risk Statements	11
Safety Statements	16-23-29-33
RIDADR	UN1301 3 / PG 2
WGK Germany	2
RTECS	AK0875000
UEL	13.40%
LEL	2.60%
Flash Point(F)	19.4
Flash Point(C)	-7

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